



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF AIR POLLUTION CONTROL -- PERMIT SECTION  
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**FOR APPLICANT'S USE**

Revision #: \_\_\_\_\_  
Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
Page \_\_\_\_\_ of \_\_\_\_\_  
Source Designation: \_\_\_\_\_

**REQUEST FOR  
PERIODIC MONITORING**

**FOR AGENCY USE ONLY**

ID NUMBER: \_\_\_\_\_

PERMIT #: \_\_\_\_\_

DATE: \_\_\_\_\_

**SECTION ONE**

**SOURCE INFORMATION**

1) SOURCE NAME: \_\_\_\_\_

2) SOURCE ID NO.: \_\_\_\_\_

3) DATE FORM PREPARED: \_\_\_\_ / \_\_\_\_ / \_\_\_\_

**SECTION TWO**

**INSTRUCTIONS IN BRIEF**

1) COMPLETE THE FOLLOWING FORM TO ESTABLISH PERIODIC MONITORING FOR ALL EMISSION UNITS MEETING THE CRITERIA LISTED IN SECTION THREE.

2) THIS FORM IS NOT TO BE FILLED OUT FOR THE POLLUTANTS FOR EMISSION UNITS SUBJECT TO THE COMPLIANCE ASSURANCE MONITORING (CAM) IN 40 CFR PART 64.

NOTE: CAM IS APPLICABLE ON A PER POLLUTANT BASIS AS IS PERIODIC MONITORING, THEREFORE A GIVEN EMISSION UNIT MAY BE BOTH REQUIRED TO SUBMIT A CAM PLAN FOR CERTAIN POLLUTANTS AND ALSO ADDRESS PERIODIC MONITORING FOR THOSE POLLUTANTS NOT COVERED UNDER CAM.

3) PERIODIC MONITORING IS THE COMBINATION OF MONITORING REQUIRED BY THE APPLICABLE REQUIREMENTS AND THE MONITORING CREATED IN THE TITLE V PERMIT THAT IS NECESSARY TO MEET THE CLEAN AIR ACT REQUIREMENTS THAT THE PERMIT ASSURES COMPLIANCE WITH THE APPLICABLE REQUIREMENTS.

4) MONITORING IS A BROAD TERM DESCRIBING A SOURCE'S ONGOING COMPLIANCE ASSURANCE ACTIVITIES. MONITORING INCLUDES ACTIVITIES SUCH AS: CONTINUOUS EMISSION MONITORING (CEM), PARAMETRIC EMISSION MONITORING (PEM), PARAMETRIC MONITORING (CONTINUOUS OR AT SPECIFIED INTERVALS), PERIODIC SOURCE TESTING, RECORDKEEPING, REPORTING, ETC.

5) THE EXPLANATORY FOOTNOTES IN SECTION SIX ARE USED TO COMPLETE SECTIONS FOUR AND FIVE.

6) REFER TO 281-CAAPP INSTRUCTIONS FOR FURTHER GUIDANCE ON COMPLETING THIS FORM.

**SECTION THREE**

**PERIODIC MONITORING DETERMINATION**

EMISSION UNIT(S) AT THIS SOURCE MEETING ALL OF THE FOLLOWING CRITERIA MUST COMPLETE THIS FORM.

- 1) THE EMISSION UNIT IS LOCATED AT A MAJOR SOURCE THAT IS REQUIRED TO OBTAIN A CAAPP PERMIT.
- 2) THE EMISSION UNIT DOES NOT HAVE PERIODIC MONITORING PRESUMED TO BE ADEQUATE AS BELOW:
  - CONTINUOUS COMPLIANCE DETERMINATION METHODS SUCH AS CEMS OR COMS.
  - MONITORING IN NSPS AND NESHAP STANDARDS PROPOSED AFTER 1990.
  - ACID RAIN MONITORING REQUIREMENTS.
- 3) THE EMISSION UNIT IS NOT CLASSIFIED AS AN INSIGNIFICANT ACTIVITY ACCORDING TO 35 ILL. ADM. CODE, SECTION 201.210 AND 201.211.
- 4) THE EMISSION UNIT IS NOT CLASSIFIED AS A POLLUTANT-SPECIFIC EMISSIONS UNIT (PSEU) SUBJECT TO THE COMPLIANCE ASSURANCE MONITORING (CAM) PLAN OF 40 CFR PART 64.

THIS AGENCY IS AUTHORIZED TO REQUIRE THIS INFORMATION UNDER 39.5 OF THE ILLINOIS ENVIRONMENTAL PROTECTION ACT, 415 ILCS 5/39.5. FURTHER DISCLOSURE OF THIS INFORMATION IS REQUIRED UNDER THAT SECTION, MOREOVER AS ALSO PROVIDED IN THAT SECTION, FAILURE TO PROVIDE THIS INFORMATION MAY PREVENT THIS APPLICATION FROM BEING PROCESSED AND COULD RESULT IN THE APPLICATION BEING DENIED.

**APPLICATION PAGE**

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281-CAAPP

SECTION FOUR		BACKGROUND DATA AND INFORMATION – UNITS SUBJECT TO PERIODIC MONITORING				
COMPLETE THE FOLLOWING TABLE FOR <b>EACH</b> EMISSION UNIT THAT IS SUBJECT TO PERIODIC MONITORING. THIS SECTION IS TO BE USED TO PROVIDE BACKGROUND DATA AND INFORMATION FOR EACH EMISSION UNIT. IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL.						
EMISSION UNIT DESIGNATION	DESCRIPTION	POLLUTANT	CONTROL DEVICE	TYPE <sup>A</sup>	LIMITATION, CONDITION, OR STANDARD	PERIODIC MONITORING REQUIREMENTS
EXAMPLE  COATER #1	METAL PARTS COATING LINE #1	VOM	THERMAL AFTERBURNER #1	<input checked="" type="checkbox"/> PERMIT <input type="checkbox"/> WP <input type="checkbox"/> PAR <input checked="" type="checkbox"/> REG <input type="checkbox"/> OTHER	24.9 TPY OF VOM  35 IAC 218.207(b)(1) - 81% OVERALL EMISSIONS REDUCTION	1. 35 IAC 218.105(D)(2)(A)(I) – MONITORING: AFTERBURNER COMBUSTION CHAMBER TEMPERATURE 2. 35 IAC 218.105 – TESTING: CAPTURE SYSTEM EFFICIENCY TEST 3. 35 IAC 218.211(A) – RECORDKEEPING 4. 35 IAC 218.211(E)(3)(A) - REPORTING
				<input type="checkbox"/> PERMIT <input type="checkbox"/> WP <input type="checkbox"/> PAR <input type="checkbox"/> REG <input type="checkbox"/> OTHER		
				<input type="checkbox"/> PERMIT <input type="checkbox"/> WP <input type="checkbox"/> PAR <input type="checkbox"/> REG <input type="checkbox"/> OTHER		
				<input type="checkbox"/> PERMIT <input type="checkbox"/> WP <input type="checkbox"/> PAR <input type="checkbox"/> REG <input type="checkbox"/> OTHER		
				<input type="checkbox"/> PERMIT <input type="checkbox"/> WP <input type="checkbox"/> PAR <input type="checkbox"/> REG <input type="checkbox"/> OTHER		

**SECTION FIVE****REQUESTED PERIODIC MONITORING APPROACH**

COMPLETE THIS SECTION FOR **EACH** EMISSION UNIT THAT IS SUBJECT TO PERIODIC MONITORING. THIS SECTION MAY BE COPIED AS NEEDED FOR EACH EMISSION UNIT. THIS SECTION IS TO BE USED TO PROVIDE MONITORING DATA AND INFORMATION FOR **EACH** MONITORING APPROACH SELECTED FOR **EACH** EMISSION UNIT. IF MORE THAN TWO MONITORING APPROACHES ARE SELECTED FOR A EMISSION UNIT OR IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL WITH THE APPROPRIATE EMISSION UNIT DESIGNATION, POLLUTANT, AND MONITORING APPROACH NOS.

EMISSION UNIT DESIGNATION:	POLLUTANT:	MONITORING APPROACH NO. 1: <small>B, C</small>	MONITORING APPROACH NO. 2: <small>B, C</small>	ADEQUACY REASONS <small>D</small>	FURTHER RATIONALE AND JUSTIFICATION FOR MONITORING ADEQUACY <small>E</small>
DESCRIBE THE MONITORING APPROACH USED TO MEASURE FOR COMPLIANCE ASSURANCE:		<input type="checkbox"/> PERIODIC PERFORMANCE TEST	<input type="checkbox"/> PERIODIC PERFORMANCE TEST		
		<input type="checkbox"/> PERIODIC INSPECTIONS	<input type="checkbox"/> PERIODIC INSPECTIONS		
		<input type="checkbox"/> PERIODIC MATERIAL SAMPLING	<input type="checkbox"/> PERIODIC MATERIAL SAMPLING		
		<input type="checkbox"/> RECORDKEEPING	<input type="checkbox"/> RECORDKEEPING		
		<input type="checkbox"/> CONTROL PERFORMANCE	<input type="checkbox"/> CONTROL PERFORMANCE		
		<input type="checkbox"/> ENGINEERING ASSESSMENTS	<input type="checkbox"/> ENGINEERING ASSESSMENTS		
		<input type="checkbox"/> OTHER: _____	<input type="checkbox"/> OTHER: _____		
DESCRIBE THE APPROPRIATE PROCEDURES FOR MONITORING TO PROVIDE A REASONABLE ASSURANCE OF COMPLIANCE (E.G., TEMPERATURE, CONCENTRATION, USAGE RATES, ETC.):					
PROVIDE THE SPECIFICATIONS FOR OBTAINING REPRESENTATIVE DATA, (E.G., DETECTOR LOCATION, INSTALLATION SPECIFICATIONS, ETC.):					
PROVIDE MONITORING FREQUENCY (E.G., HOURLY, DAILY, ANNUALLY, ETC.):					
PROVIDE THE DATA COLLECTION PROCEDURES THAT WILL BE USED (E.G., DATA ACQUISITION SYSTEM, PERSONNEL, STRIPCHART, ETC.):					
PROVIDE THE DATA AVERAGING PERIOD FOR DETERMINING WHETHER AN EXCURSION OR EXCEEDANCE HAS OCCURRED (E.G., HOURLY, DAILY, ETC.):					

<b>SECTION SIX</b>	<b>PERIODIC MONITORING FOOTNOTES</b>
A	INDICATE THE EMISSION LIMITATION OR STANDARD FOR ANY APPLICABLE REQUIREMENT THAT CONSTITUTES AN EMISSION LIMITATION, EMISSION STANDARD, OR STANDARD OF PERFORMANCE FOR WHICH PERIODIC MONITORING IS REQUIRED. EXAMPLES OF EMISSION LIMITATIONS OR STANDARDS MAY INCLUDE PERMITTED EMISSION LIMITATIONS ( <b>PERMIT</b> ), APPLICABLE REGULATIONS ( <b>REG</b> ), WORK PRACTICES ( <b>WP</b> ), PROCESS OR CONTROL DEVICE PARAMETERS ( <b>PAR</b> ), OR OTHER FORMS OF SPECIFIC DESIGN, EQUIPMENT, OPERATIONAL, OR OPERATION AND MAINTENANCE REQUIREMENTS ( <b>OTHER</b> ).
B	CHOOSE THE REQUESTED MONITORING APPROACH AND DESCRIBE THE PARAMETERS TO BE MONITORED SUCH AS: EMISSION CONTROL PERFORMANCE FOR THE CONTROL DEVICE AND ASSOCIATED CAPTURE SYSTEM, MEASURED OR PREDICTED EMISSIONS (INCLUDING VISIBLE EMISSIONS OR OPACITY), PROCESS AND CONTROL DEVICE OPERATING PARAMETERS, RECORDED FINDINGS OF INSPECTION AND MAINTENANCE ACTIVITIES, ETC.
C	<p>INCLUDE THE SPECIFIC INFORMATION REQUIRED FOR THE BELOW MONITORING APPROACHES. (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL WITH THE APPROPRIATE EMISSION UNIT DESIGNATION AND POLLUTANT):</p> <ul style="list-style-type: none"> <li>• <u>PERFORMANCE TEST</u>: A BRIEF SUMMARY OF THE MOST RECENT PERFORMANCE TEST RESULTS, AND DOCUMENTATION INDICATING THAT THERE HAVE BEEN NO CHANGES TO THE PROCESS OR CONTROL SYSTEM THAT COULD RESULT IN A SIGNIFICANT CHANGE TO THE TESTING METHODOLOGY SINCE THE LAST TESTING OCCURRED.</li> <li>• <u>ENGINEERING ASSESSMENTS</u>: ENGINEERING ASSESSMENTS AND OTHER DATA, SUCH AS MANUFACTURERS' DESIGN CRITERIA, HISTORICAL MONITORING DATA, FACTORS SPECIFIC TO THE TYPE OF MONITORING, CONTROL DEVICE, OR EMISSION UNIT, ETC.</li> </ul>
D	<p>CHOOSE AMONG THE FOLLOWING REASONS:</p> <ol style="list-style-type: none"> <li>1) COMPLIANCE ASSURANCE (E.G., MONITORING KEY PARAMETERS AT ADEQUATE FREQUENCY TO DETERMINE COMPLIANCE, ETC.).</li> <li>2) MARGIN OF COMPLIANCE (E.G., EMISSION UNIT IS OPERATING WITH A COMFORTABLE MARGIN OF COMPLIANCE WITH RESPECT TO THE REGULATION SUCH THAT THE LIKELIHOOD OF AN EXCEEDANCE IS SMALL).</li> <li>3) VARIABILITY (E.G., MORE OR LESS VARIABILITY OF EMISSIONS REQUIRES MORE OR LESS MONITORING, RESPECTIVELY).</li> <li>4) EMISSION UNIT SIZE (E.G., MORE OR LESS EMISSIONS REQUIRES MORE OR LESS MONITORING, RESPECTIVELY).</li> <li>5) BURDEN/COST TO PERMITTEE (E.G., COST OF EQUIPMENT, PERSONNEL, TRAINING, ETC.).</li> <li>6) REASONABLENESS (E.G., TECHNICALLY FEASIBLE, EXISTING MONITORING BURDEN, ETC.).</li> <li>7) CONSISTENCY (E.G., SIMILAR METHODS AT SIMILAR OR IDENTICAL SOURCES WITH REGARD TO EMISSION UNIT TYPE AND SIZE).</li> <li>8) HISTORICAL TRACK RECORD OF COMPLIANCE (E.G., WHETHER OR NOT AN EMISSION UNIT HAS EVER BEEN THE SUBJECT OF A VIOLATION OF A STATE OR FEDERAL AIR STANDARD).</li> <li>9) OTHER (EXPLAIN).</li> </ol>
E	PROVIDE THE RATIONALE AND JUSTIFICATION FOR THE SELECTED MONITORING APPROACH. (IF ADDITIONAL SPACE IS NEEDED, ATTACH AND LABEL WITH THE APPROPRIATE EMISSION UNIT DESIGNATION AND POLLUTANT).